

99TH CONGRESS
1ST SESSION

H. R. 2889

To amend the Act establishing the National Bureau of Standards to provide for a computer security research program within such Bureau, and to provide for the training of Federal employees who are involved in the management, operation, and use of automated information processing systems.

IN THE HOUSE OF REPRESENTATIVES

JUNE 27, 1985

Mr. GLICKMAN (for himself, Mr. FUQUA, Mr. BROOKS, Mr. BROWN of California, Mr. WIRTH, Mr. WALGREN, Mr. NELSON of Florida, Mr. WYDEN, Mr. HUGHES, Mr. LEWIS of Florida, and Mr. HORTON) introduced the following bill; which was referred jointly to the Committees on Science and Technology and Government Operations

A BILL

To amend the Act establishing the National Bureau of Standards to provide for a computer security research program within such Bureau, and to provide for the training of Federal employees who are involved in the management, operation, and use of automated information processing systems.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 SECTION 1. SHORT TITLE.

4 This Act may be cited as the "Computer Security

5 Research and Training Act of 1985".

1 SEC. 2. FINDINGS.

2 The Congress finds that—

3 (1) in recent years the Federal Government has
4 become highly dependent on automated information
5 processing systems for carrying out many of its
6 missions;

7 (2) the Government operates about 20,000
8 medium- and large-scale mainframe computers, and by
9 the end of this decade it will also have approximately
10 half a million micro- and mini-computers;

11 (3) the information stored in Government comput-
12 ers and transmitted over the various communications
13 networks that connect them represent valued property
14 that is vulnerable to unauthorized access and disclo-
15 sure, fraudulent manipulation, and disruption;

16 (4) studies of computer-related fraud and abuse in
17 Government agencies indicate a costly and widespread
18 problem of significant proportions;

19 (5) Government efforts to address the problems of
20 computer security have focused on developing hard-
21 ware and software systems to protect sensitive infor-
22 mation, ensuring that new computer systems are de-
23 signed to include security provisions, and requiring
24 agencies to implement security procedures; and

25 (6) these efforts must be supplemented if the prob-

1 the information stored, processed, and transmitted by
2 Government computers remains the people who
3 manage, use, and operate them.

4 **SEC. 3. ESTABLISHMENT OF COMPUTER SECURITY RESEARCH**
5 **PROGRAM.**

6 The Act of March 3, 1901 (15 U.S.C. 271-278b), is
7 amended by redesignating section 18 as section 19, and by
8 inserting after section 17 the following new section:

9 "SEC. 18. (a) The National Bureau of Standards shall
10 establish and conduct a computer security research program
11 to address the problems of computer security in the Federal
12 Government, with primary emphasis upon the prevention of
13 computer-related fraud and abuse through the training of em-
14 ployees in computer security awareness and good security
15 practice.

16 "(b) The program shall—

17 "(1) perform research and conduct studies to de-
18 termine the nature and extent of computer security
19 vulnerability in Federal agencies and their contractors;

20 "(2) devise administrative, management, and tech-
21 nical procedures and practices designed to protect the
22 information stored, processed, and transmitted by
23 Government computers; and

24 "(3) develop guidelines for use by Federal agen-
25 cies in training their employees, and the employees of

1 their contractors and of other organizations whose
2 computers interface with Government computers, in
3 computer security awareness and good security
4 practice."

5 **SEC. 4. TRAINING BY FEDERAL AGENCIES IN COMPUTER**
6 **SECURITY.**

7 (a) **IN GENERAL.**—Each Federal agency shall provide
8 mandatory periodic training in computer security, under the
9 guidelines developed pursuant to section 18(b)(3) of the Act
10 of March 3, 1901 (as added by section 3 of this Act), and in
11 accordance with the regulations issued under subsection (c) of
12 this section, for all of its employees who are involved with
13 the management, use, or operation of computers or other
14 automated information systems and for all of the employees
15 and other personnel of its contractors who are involved with
16 the management, use, or operation of computers which inter-
17 face with Government computers.

18 (b) **TRAINING OBJECTIVES.**—Training under this sec-
19 tion shall begin within 60 days after the issuance of the regu-
20 lations described in subsection (c), and shall be designed—

21 (1) to enhance employees' awareness of the
22 threats to and vulnerability of computer and communi-
23 cations systems; and

24 (2) to encourage the use of improved computer
25 security practices at Government facilities.

1 (c) REGULATIONS.—Within six months after the date of
2 the enactment of this Act, the Director of the Office of Per-
3 sonnel Management shall issue regulations prescribing in
4 detail the procedures and scope of the training to be provided
5 by Federal agencies under subsection (a) and the manner in
6 which such training is to be carried out.

7 SEC. 5. AUTHORIZATION OF APPROPRIATIONS.

8 There are hereby authorized to be appropriated to the
9 National Bureau of Standards for the fiscal year 1987, to
10 carry out the computer security research program under sec-
11 tion 18 of the Act of March 3, 1901 (as added by section 3 of
12 this Act), such sums as may be necessary.

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